

Title (en)  
SLIP RING EXPANSION JOINT

Title (de)  
GLEITRINGDEHNFUGE

Title (fr)  
JOINT DE DILATATION DE BAGUE COLLECTRICE

Publication  
**EP 3336403 A1 20180620 (EN)**

Application  
**EP 17205621 A 20171206**

Priority  
IT 201600126878 A 20161215

Abstract (en)  
An expansion joint for sealingly connecting a first 1 and a second 2 turbine component having wall openings coaxial with fluid passages in relative displacement, the openings defining a recess with opposing axial surfaces acting as seat for the joint in the first and the second turbine component, the joint comprising a sealing ring 5 adapted to be disposed in the recess such as to axially and radially engage with the recess surfaces around the fluid passages, an intermediate ring 6 adapted for being interposed between the sealing ring and the radial surface of the first turbine component, wherein the intermediate ring has openings axially engaging with protuberances of the sealing ring to prevent relative rotation.

IPC 8 full level  
**F16L 51/00** (2006.01); **F16J 15/3268** (2016.01)

CPC (source: BR EP US)  
**F01D 11/003** (2013.01 - US); **F01D 11/005** (2013.01 - US); **F01D 11/10** (2013.01 - US); **F16J 15/3268** (2013.01 - BR); **F16L 27/12** (2013.01 - US); **F16L 51/00** (2013.01 - EP US); **F01D 11/005** (2013.01 - BR)

Citation (applicant)  
US 2863632 A 19581209 - MILLER EDWARD H

Citation (search report)

- [XA] NL 8500899 A 19850701 - WAVIN BV
- [A] US 2011227296 A1 20110922 - BACA BRIAN J [US]
- [A] DE 202014006031 U1 20151027 - NEOPERL GMBH [DE]

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 3336403 A1 20180620**; **EP 3336403 B1 20200520**; BR 102017027016 A2 20181030; BR 102017027016 B1 20230110; IT 201600126878 A1 20180615; JP 2018138783 A 20180906; JP 7004553 B2 20220121; US 10619502 B2 20200414; US 2018171813 A1 20180621

DOCDB simple family (application)  
**EP 17205621 A 20171206**; BR 102017027016 A 20171214; IT 201600126878 A 20161215; JP 2017231314 A 20171201; US 201715843336 A 20171215